

System Testing Duty Management

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16th Geant4 Collaboration Meeting



- In previous talk Gunter presented the procedures for system testing
 - Every collaborator should participate in the effort
 - Main work is done via web-interfaces
- We are ~100 collaborators
 - If every one takes **one week “shifts”** we can cover all year with 2 persons on shift in parallel
 - Aim at **one experienced and one novice shifter each week.**
- What are the tools to better organize these duties
 - **We have decided to use simple and widely-known tools**, more advanced tools can be evaluated if needed

Requirements

- [We try to ensure a **self-managing policy to minimize work of coordinator**
 - [Self-subscription to calendar, mailing list, etc
 - [Shifter collaborate in documenting issues, solutions, etc
- [We need to communicate efficiently
 - [Every feedback is welcome

Mailing list

- geant4-stt@cern.ch is the mailing list for System Testing
- **Each shifter should subscribe, at least during her/his week**, to that via: <http://egroups.cern.ch>
- Self-subscription policy for members of geant4 ML (i.e. all collaborators)
- Archive available at: <https://groups.cern.ch/group/geant4-stt/default.aspx>

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E-groups

Goto

	Name	Type	Topic	Description	Status	Owner	Actions
	geant4-stt	Static		Geant4 System Testing Working Group	Active	Gabriele.Cosmo@cern.ch	<input type="button" value="Unsubscribe"/>
	geant4-stt-admins	Static		Admins of the group geant4-stt	Active	Gabriele.Cosmo@cern.ch	

Booking Shifts

- Shifts are self-booked via a Google Calendar
- <http://calendar.google.com>
- Login with: geant4.stesting@gmail.com (ask password)
- Reserve your week. Contact directly people for conflicts/changes

The screenshot shows the Google Calendar interface for September 2011. The calendar is in 'Month' view, and a shift titled 'Andrea' is booked for Monday, September 5th, from 4:00 AM to 10:00 AM. The interface includes a search bar, navigation controls, and a sidebar with calendar settings.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	Sep 1	2	3
4	5 Andrea	6	7	8	9	10
11	12	13	14	15	16	17

Communication

- [**An online notepad has been created to document shifter activities:** <http://edupad.ch/dzZieTMNX9>
- [Simple logbook
- [Each day shifters should:
 - [**Errors should trigger a reject of one or more tags**
 - [It's shifter responsibility to try a first debug to understand which tag(s) are responsible for the failure
 - [Edupad should describe any action taken
 - [In rare cases an error cannot be fixed in a short time (e.g. example needs update due to a new "core" tag, example responsible needs time): clearly describe this situation and actions taken in edupad
 - [Always contact STT coordinator and/or deputy if you need assistance
- [Document any important information useful for next shifters

Documentation

- [**Documentation is being revised:**
- [http://geant4.cern.ch/collaboration/working_groups/testing/restricted/geant4/tests/results/procedures.html
- [Requires authentication (ask username and password)

Note on time slots

- [**Tests starts every night at 00:00 CERN time**
- [Conclude select/reject tags well in advance (let's say 2 hours)
- [**Weekends are special:**
 - [During the night between Saturday and Sunday different tests: higher statistics
 - [Thus no new tags should be selected from 00:00 Saturday to Monday Morning
- [**Please note special attention should be put by shifters in different time zones (i.e. Japan and California)**